

Sandy Prior

Accident and Incident Trends



Incidents History

- Since last pre-shutdown briefing in July 2003:
 - DOE Reportable Incidents
 - 9 Accidents
 - 1 Occurrence
 - Non-Reportable
 - 20 First Aid cases
 - 8 Notable Events
 - 4 Radiation Deviation Reports



Injury Breakdown

Category	# Incidents
Hand	11
Forearm/wrist	4
Electrical shock	4
Back	3
Eye	3
Shoulder	2
Head	2
Knee	1

Occurrence Breakdown

Category	# Incidents
Facility/system/ component failure	5
Violation/inadequate procedures	3
Facility safety	2
Environmental	2
Fire/explosion	1



Event Causes: ISMS Core Functions

CF #1: Define scope of work

CF #2: Analyze hazards

CF #3: Develop and implement hazard controls

CF #4: Perform work within controls

CF #5: Provide feedback & continuous improvement

Core Function #1

- **Define scope of work (7)**
 - Actually do pretty well in this area
 - Problems arise when:
 - tasks are added to task list at the last minute
 - task supervisor not aware of all requirements affecting the task

Core Function #2

- **Analyze hazards (37)**
 - Hazards not recognized by trained personnel
 - Routine tasks not analyzed in context of location where they are performed
 - Work coordination
 - affected personnel
 - supporting work groups
 - Routine tasks, infrequently performed
 - Procedural deviations performed without additional hazard analysis

Core Function #3

- **Develop and implement hazard controls (34)**
 - Goes “hand in glove” with previous slide on hazard analysis
 - Matrix workers
 - Subcontract personnel

Core Function #4

- **Perform work within controls (26)**
 - Work controls may be assumed - relying on common trade practices
 - Shortcuts
 - Performing a “work around” when work task “snag” occurs
 - Deviate from norm
 - May introduce new, unanticipated hazards
 - Work area clutter created during task performance

Core Function #5

- **Provide feedback & continuous improvement (11)**
 - Problem exists; may be seen only as a nuisance
 - Find way to get around the problem
 - Task gets done and work group moves on to next task
 - Undesirable condition remains waiting for the right conditions to cause harm